Definitions:

C = real annual coupon, payable semiannually = 3.375

i = real yield = 0.03650

n = number of full semiannual periods from issue date to maturity date = 19

r = number of days from settlement date to next coupon date = 91 (April 15, 1997, to July 15, 1997)

s = number of days in current semiannual period = 181 (January 15, 1997, to July 15, 1997)

Ref CPI January 15, 1997 (dated date) = 158.43548

 $Ref\ CPI_{April\ 15,\ 1997}\ =\ 159.33333$

SA = Settlement Amount

Resolution:

Index RatioApril 15, 1997 = Ref CPIApril 15, 1997 / Ref CPIJanuary 15, 1997 =

159.33333/158.43548 = 1.00567

$$P \ = \ \frac{(C/2) \ + \ (C/2)a^{n} \ + \ 100v^{n}}{1 \ + \ (r/s) \ (i/2)} \ - \ [(s-r) \ / \ s] \ (C/2)$$

$$P = \begin{array}{c} (3.375/2) + (3.375/2)(15.93448658) + 100 & (0.70919562) \\ 1 + (91/181)(0.03650/2) \end{array}$$
 (3.375/2)

P = 97.752799

P = 97.753

Padj = P x Index Ratio April 15, 1997

 $P_{adj} = 97.753 \times 1.00567 = 98.307260$

 $P_{adi} = 98.307$

 $A = [(181-91)/181] \times 3.375/2 = 0.839088$

Aadj = A x Index Ratio April 15, 1997

 $A^{adj} = 0.839088 \times 1.00567 = 0.843846$

 $SA \ = \ P_{adj} \ + \ A_{adj} \ = \ 98.307 \ + \ 0.843846$

SA = 99.150846

Note that, for the real price (P) and the inflation-adjusted price (P_{adj}), Treasury has rounded to three places. For accrued interest (A) and adjusted accrued interest (A_{adj}), Treasury has rounded to six places. These amounts are based on 100 par value.